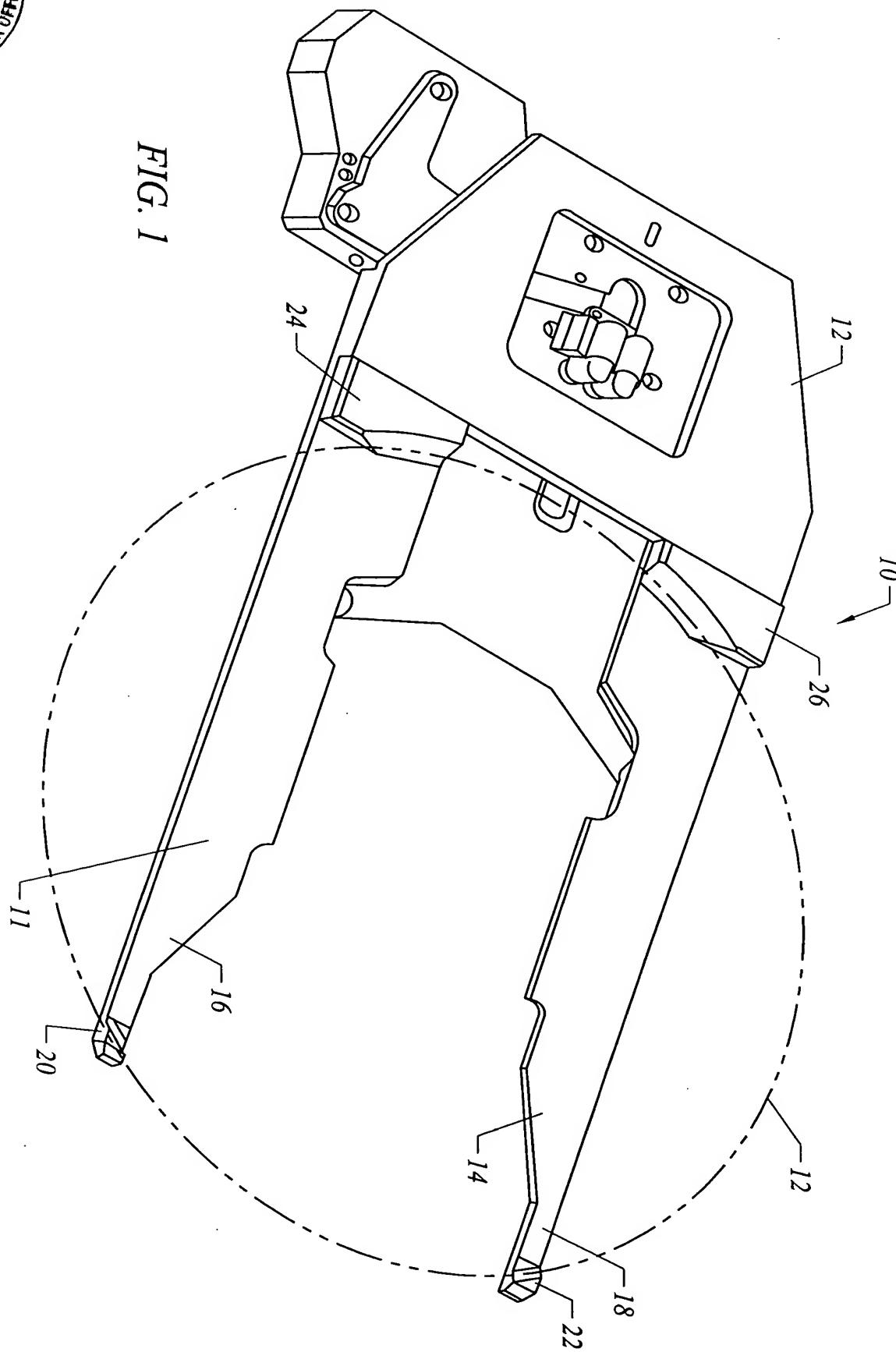


O I P E JC151
MAR 26 2004
PATENT & TRADEMARK OFFICE

Title: ACTIVE EDGE GRIPPING END EFFECTOR
Inventor(s): Theodore W. Rogers et al. Docket No.: 34741-872
Serial No.: 10/624,133 Attorney: Scott D. Sanford
Filed: July 21, 2003 Telephone: 415-984-8700
Sheet 1 of 12

FIG. 1



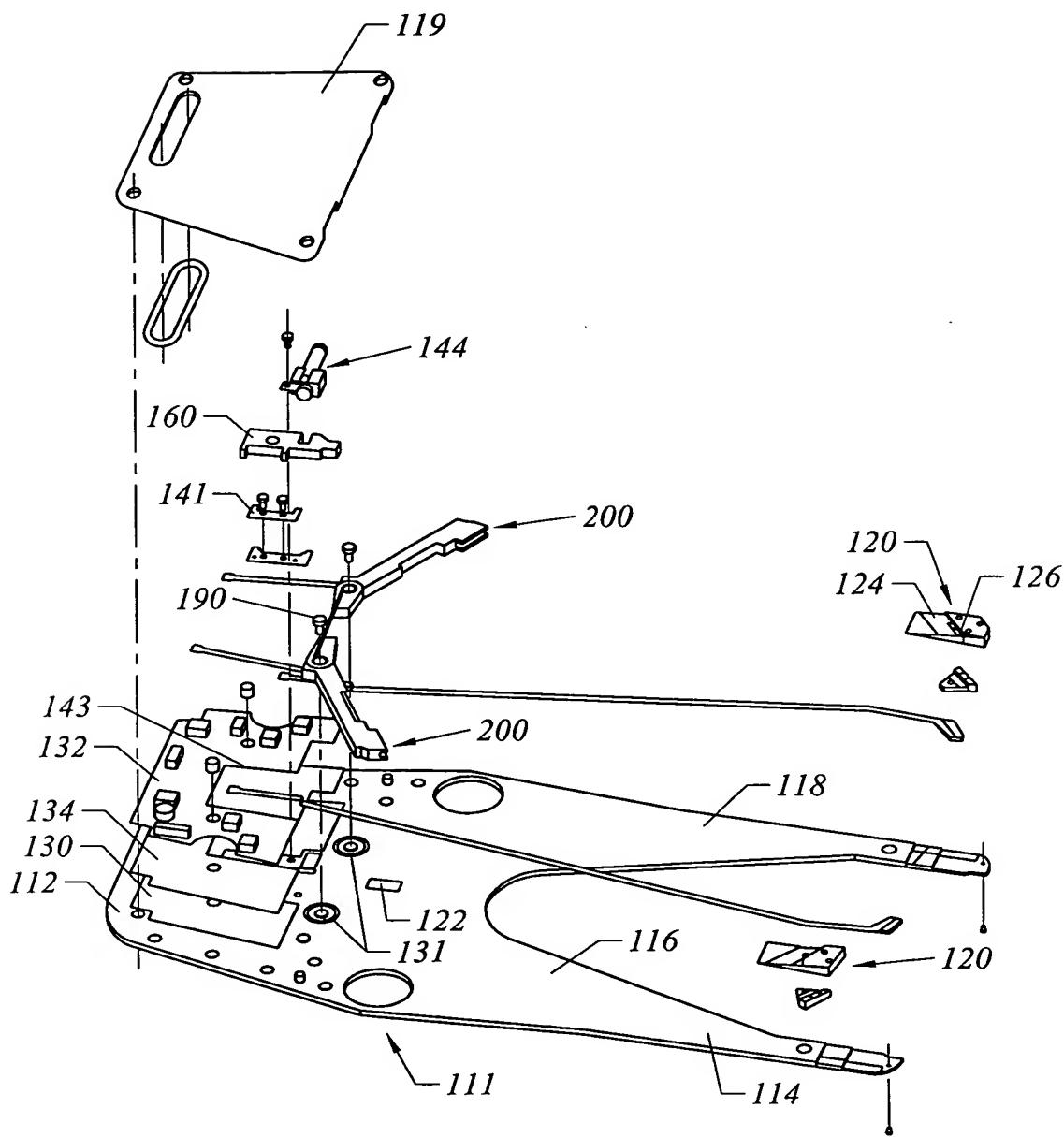


FIG. 2

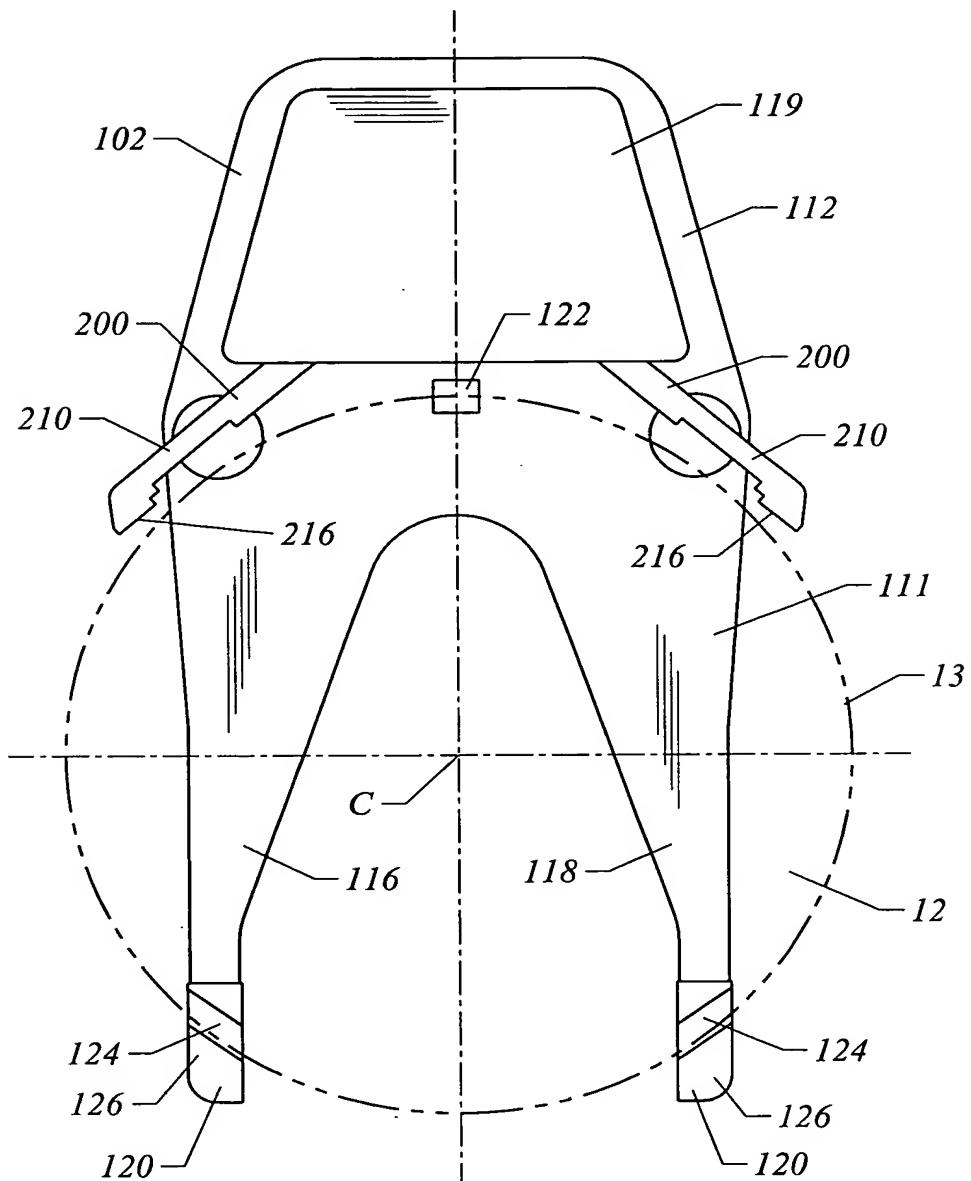


FIG. 3

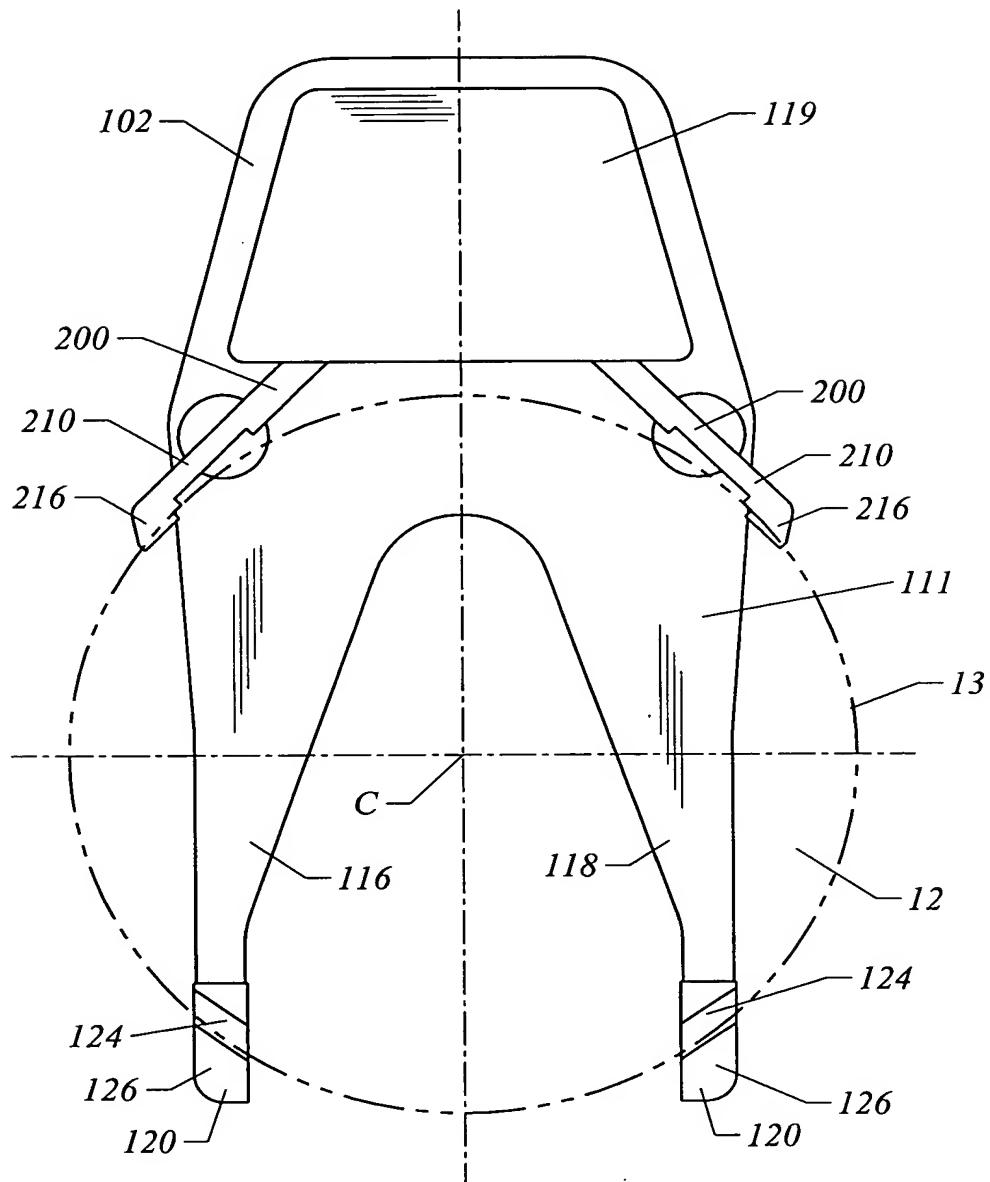
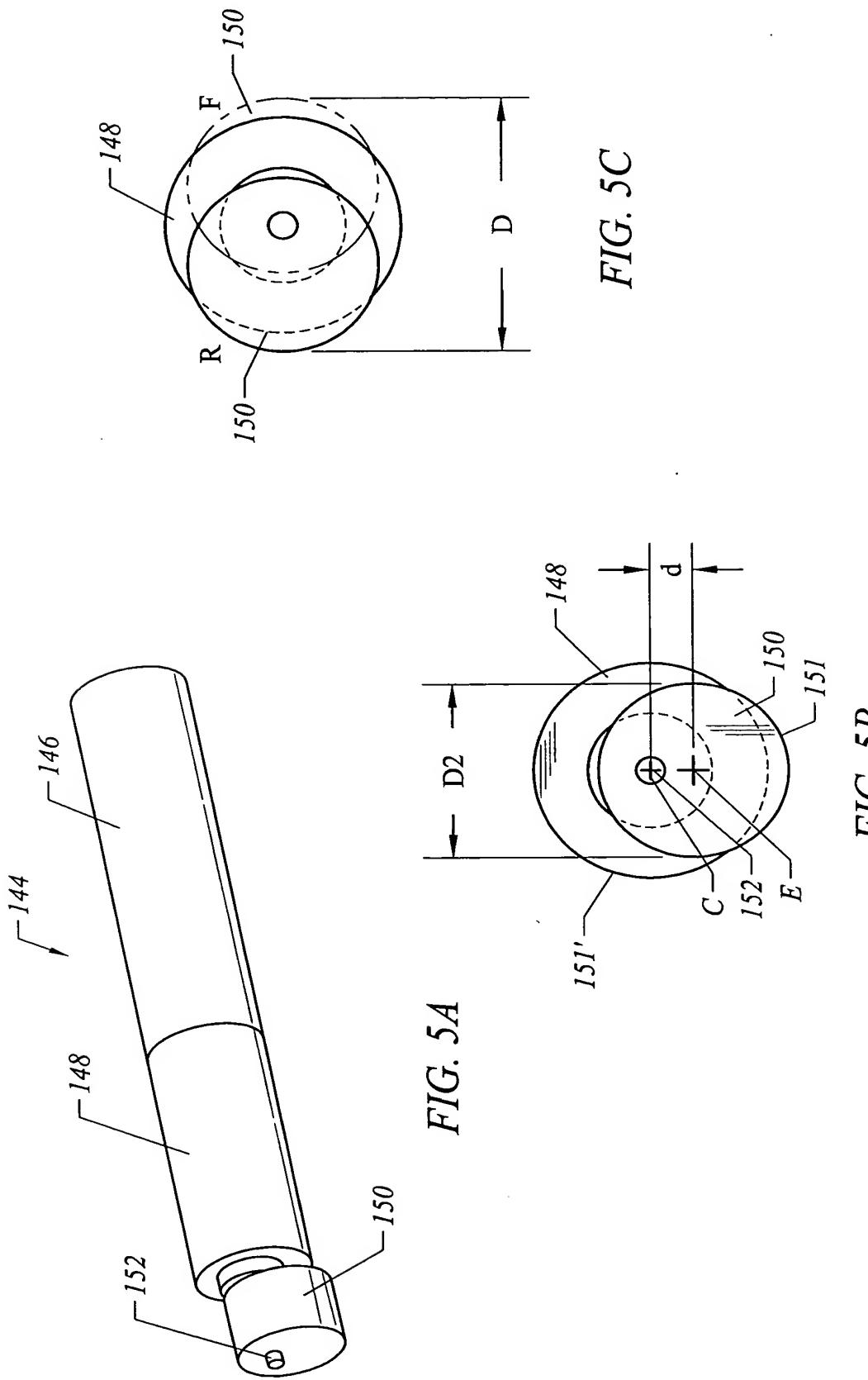


FIG. 4



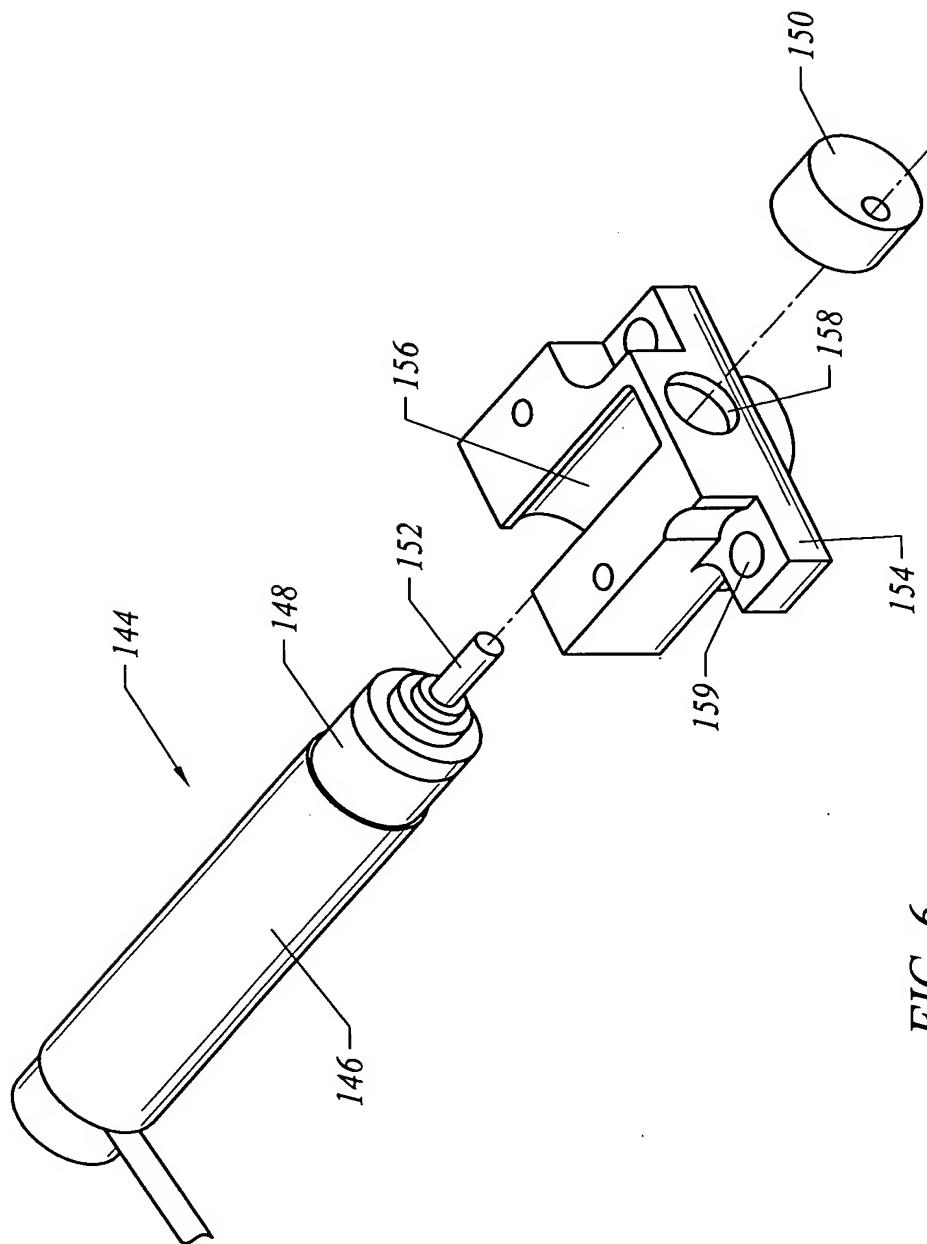


FIG. 6

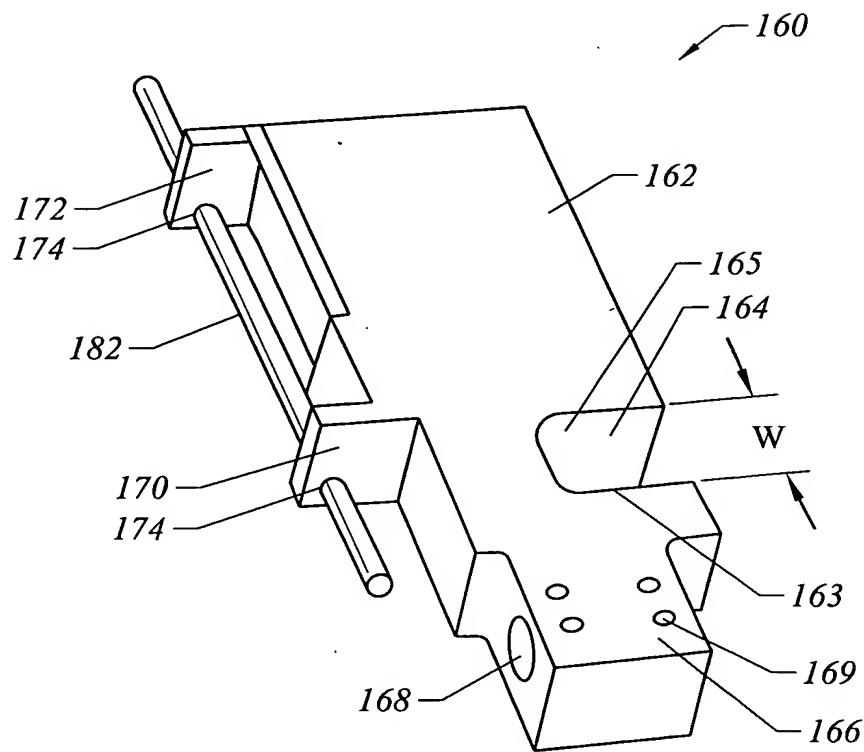


FIG. 7A

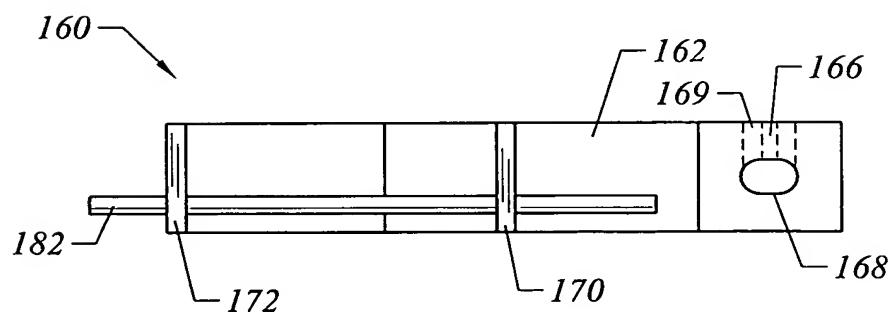
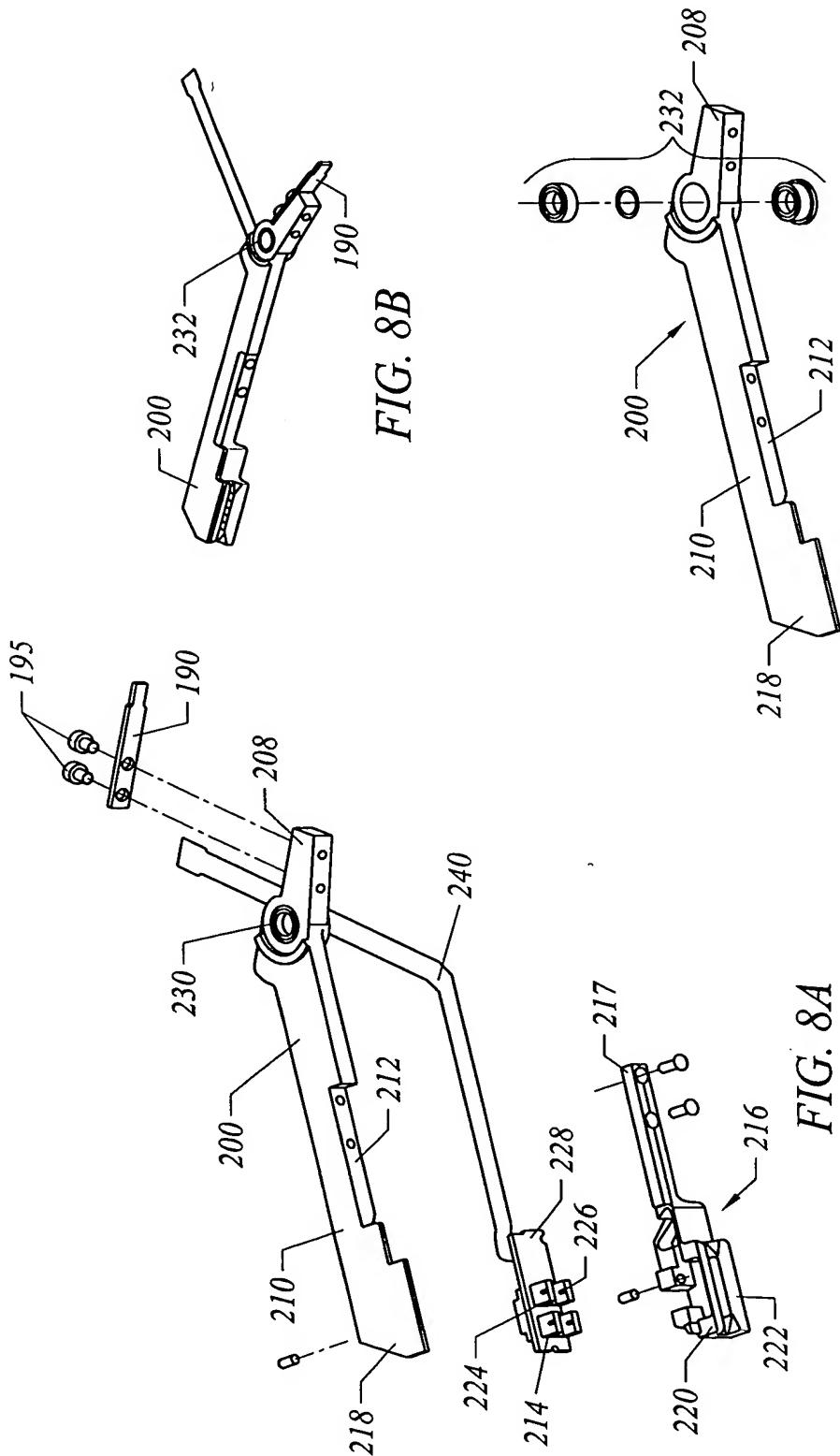


FIG. 7B



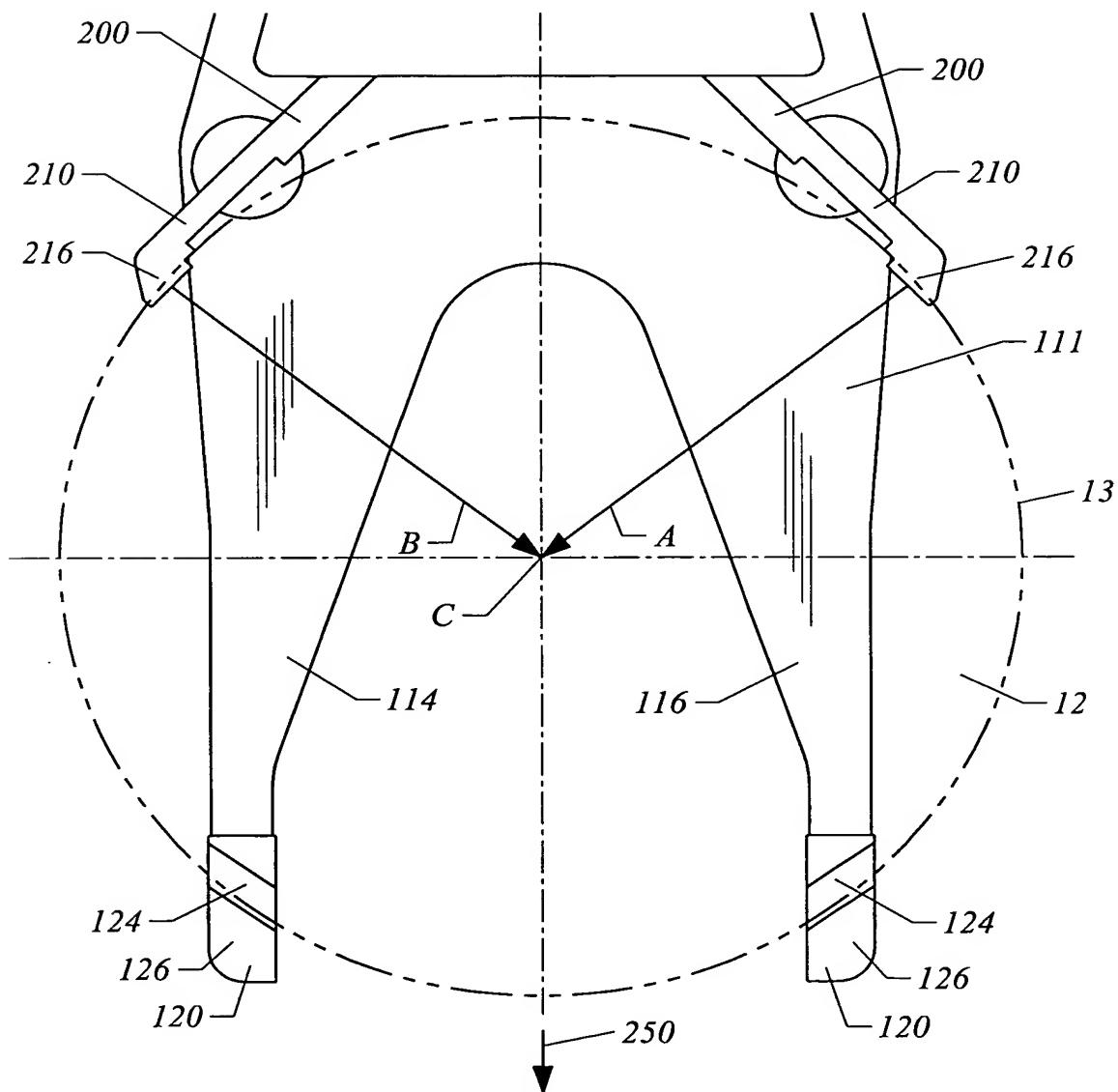


FIG. 10

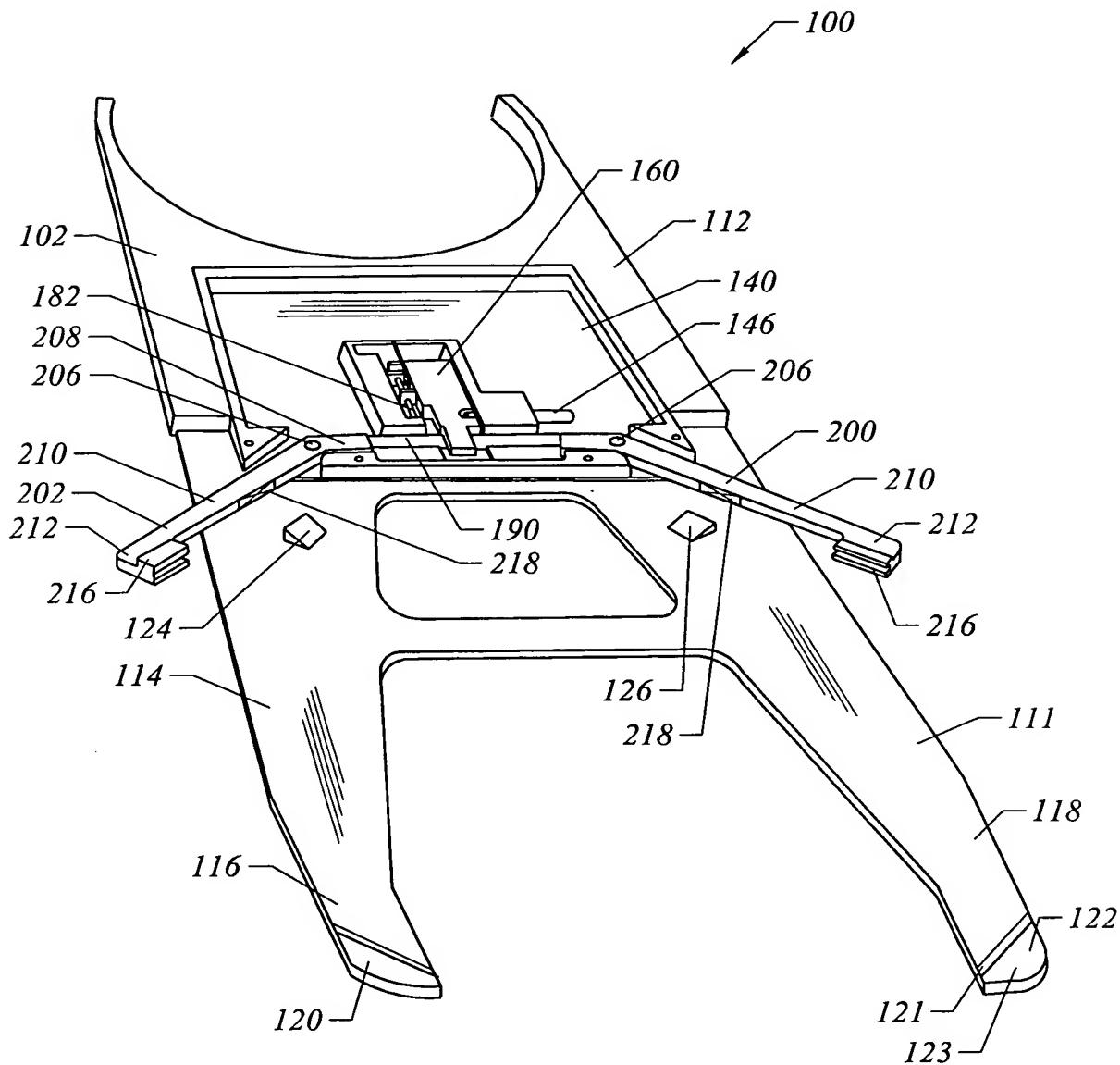


FIG. 11

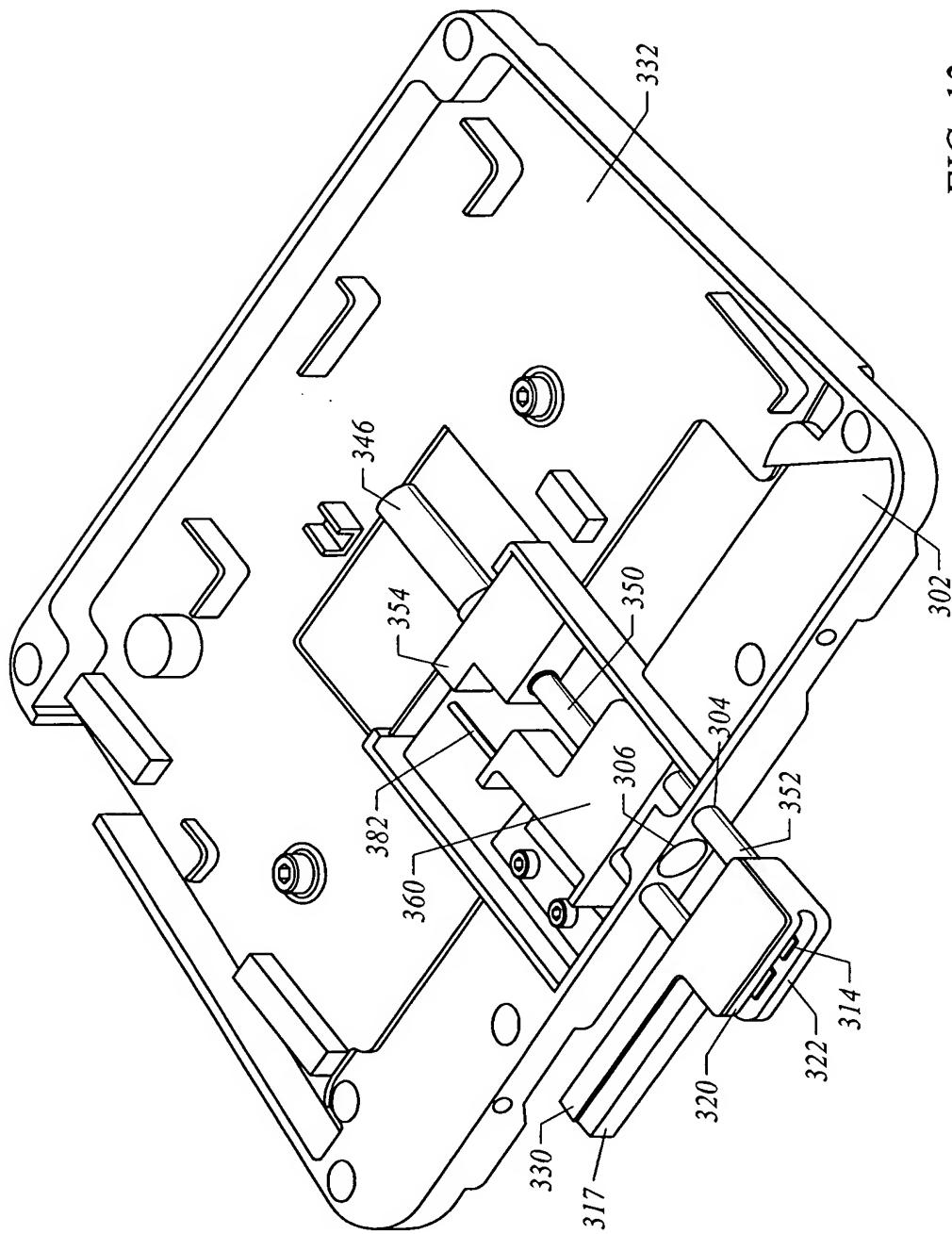


FIG. 12

